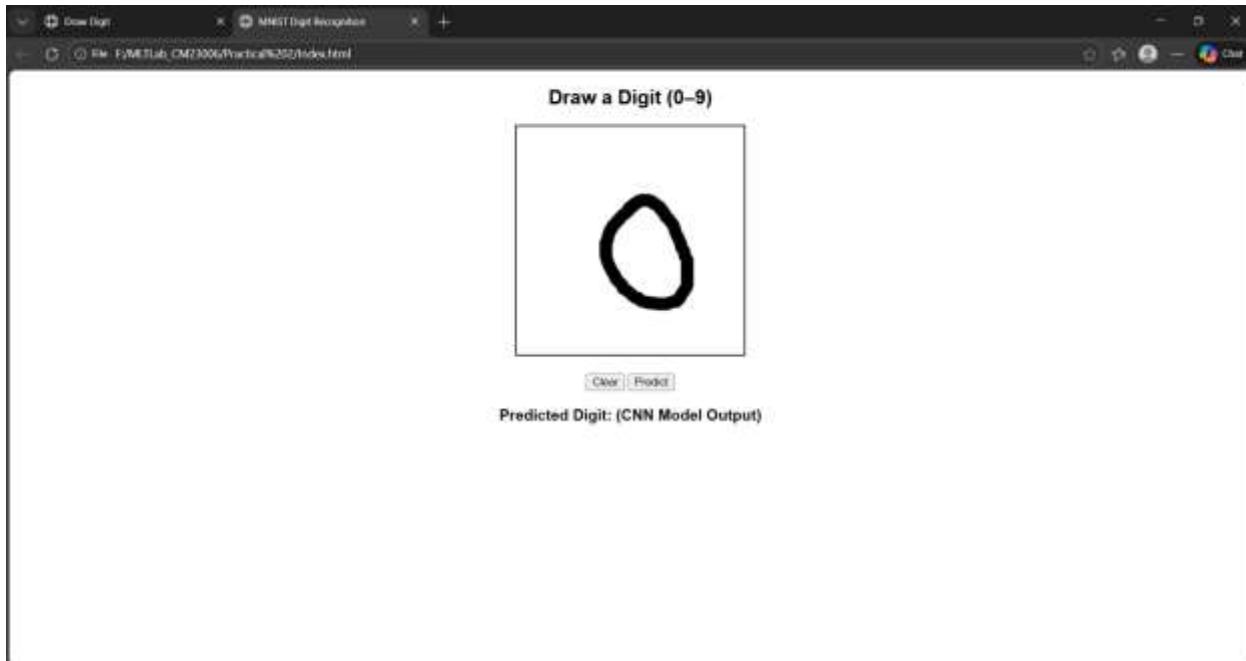


Shrushti Zod (CM23006)

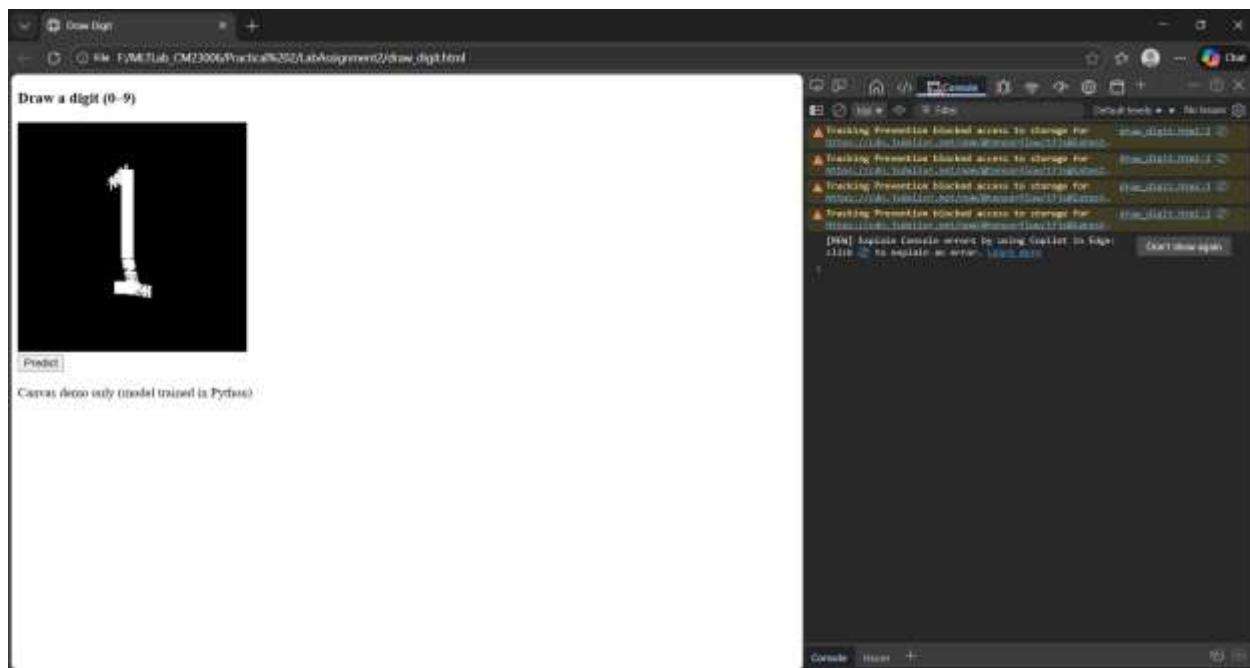


Lab Assignment 1

The screenshot shows the PyCharm IDE interface with the following details:

- File Structure:** The left sidebar shows a project named "PRACTICAL_2" with a sub-project "LabsDevelopment". Inside "LabsDevelopment", there are files: "labeled_diabetes.csv", "labeled_diabetes.py", and "labeled_diabetes.ipynb".
- Code Editor:** The main window displays the "labeled_diabetes.py" file. The code imports TensorFlow and Keras, defines a neural network architecture with two hidden layers of 128 units each, and uses categorical crossentropy loss and accuracy metrics. It then fits the model to training data and evaluates it on test data, saving the model to "mlist.h5".
- Terminal:** Below the code editor is a terminal window showing the execution of the script. The output includes training epochs from 0 to 575, validation accuracy, and loss values. It also shows a warning about saving the model as an H5P file via `model.save()` or `keras.utils.save_model(model, ...)`, suggesting instead to use the native Keras format `model.save('my_model.keras')`.
- Build with Agent:** A message in the bottom right corner says "Build with Agent" and "All packages may be successfully generated. Generate signed instructions to forward all your binaries."
- Bottom Bar:** The bottom bar includes tabs for "Outline", "Timeline", and "Search", along with system icons for battery, signal, and volume.

Lab Assignment 2



Lab assignment 3

